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U. S. DEPARTMENT OF AGRICULTURE ★ SOIL CONSERVATION SERVICE
**WATER SUPPLY OUTLOOK
FOR
MONTANA**

and
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS
Collaborating with

MONTANA AGRICULTURAL EXPERIMENT STATION

AS OF
JAN. 1, 1979

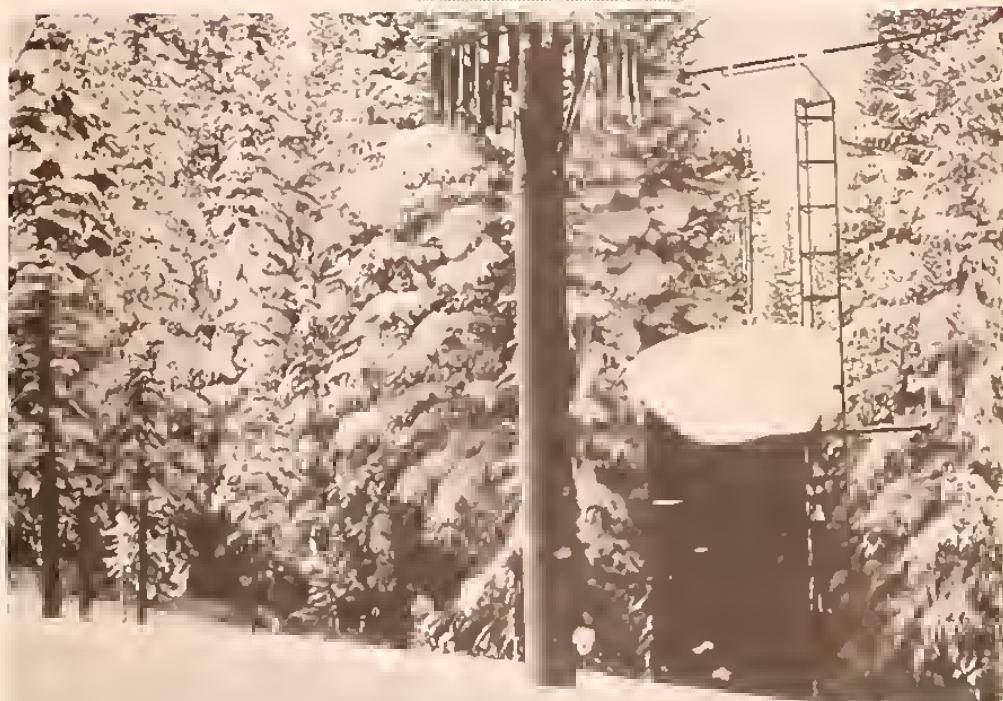
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Issued by
R.M. DAVIS
ADMINISTRATOR
SOIL CONSERVATION SERVICE
WASHINGTON, D.C.

Released by
VAN K. HADERLIE
STATE CONSERVATIONIST
SOIL CONSERVATION SERVICE
Bozeman, Montana

In Cooperation with
J. A. ASLESON
DIRECTOR
Montana Agricultural Experiment Station

Report prepared by

PHILLIP E. FARNES, Snow Survey Supervisor
DONALD J. HUFFMAN, Hydrologist
CINDY L. ONDRAK, Statistical Clerk

SOIL CONSERVATION SERVICE
P.O. Box 98
Bozeman, Montana 59715

SNOTEL

During the past summer installation of field equipment and sensors was completed at 63 authorized SNOTEL sites. The good Fall weather permitted installation of radio equipment at additional sites, bringing to 45 the number of sites equipped with radios. Remaining sites are scheduled for radio installation next summer.

Most sites with radios are responding quite well with most sites being called once or twice daily. Data is being reported on snow water equivalent, total precipitation accumulation and air temperature.

These daily reports on snowpack, precipitation and temperature provide considerable data for evaluation and updating of current climatic conditions and their effect on water supply conditions.

SNOTEL data, where it is available, is being used to help evaluate current water supply conditions.

As the SNOTEL system moves into the operational phase, data will be available to cooperators on a near-real-time basis. We plan to keep cooperators advised on the status of SNOTEL and the availability of data.



Montana Water Supply Outlook

A year of extremes seems to describe the weather so far this season. The autumn was quite open. Snows that fell in September melted and the ground remained mostly bare until the winter snowpack started building in late October and early November, about a month later than normal.

Mild autumn temperatures dropped below zero in early November with only an occasional day since then that mountain temperatures have risen above the freezing level. Around November 10, and again around November 20, temperatures dropped well below the zero level with some SNOTEL sites reporting temperatures close to -30°F .

Snow storms passed through the state quite frequently during November and December, but snowfall was generally light. The northwestern and southwestern parts of Montana have accumulated a snowpack that is below average. The central portion received more high-elevation precipitation and some areas in the Blackfoot and Upper Clark Fork drainages, west of the divide and much of the area east of the divide have a snowpack that is well above aver-

age for this time of year.

A considerable portion of the snow accumulation period remains since less than one-half of the season's mountain snowpack is normally on the ground by this date.

Almost all valley areas east



On an average year, about 40% of the season's snowpack has accumulated on the mountain watersheds by January 1.

of the divide have received above average snowfall with winds creating excessive drifting in many areas.

At the end of December extreme cold covered the state. All SNOTEL sites reported temperatures below -20°F . About 80 percent of these sites reported lows colder than -30°F and 20 percent reported lows colder than -40°F . Two of the stations in the Big Hole drainage reported lows of -58°F and -52°F .

Spring and summer streamflows, based on current snow conditions, should be a little below average to near-average in most drainages. Currently, below average conditions are projected for the extreme southwest and northwest corners of the state. Near-to-above average runoff is indicated in the Clark Fork headwaters west of the divide. Most smaller drainages in Central Montana, parts of the Yellowstone River drainage, and nearly all prairie drainages east of the divide are also forecast at near-to-above average.

Volume forecasts will be issued after February 1, snow surveys are completed.

Columbia River Drainage

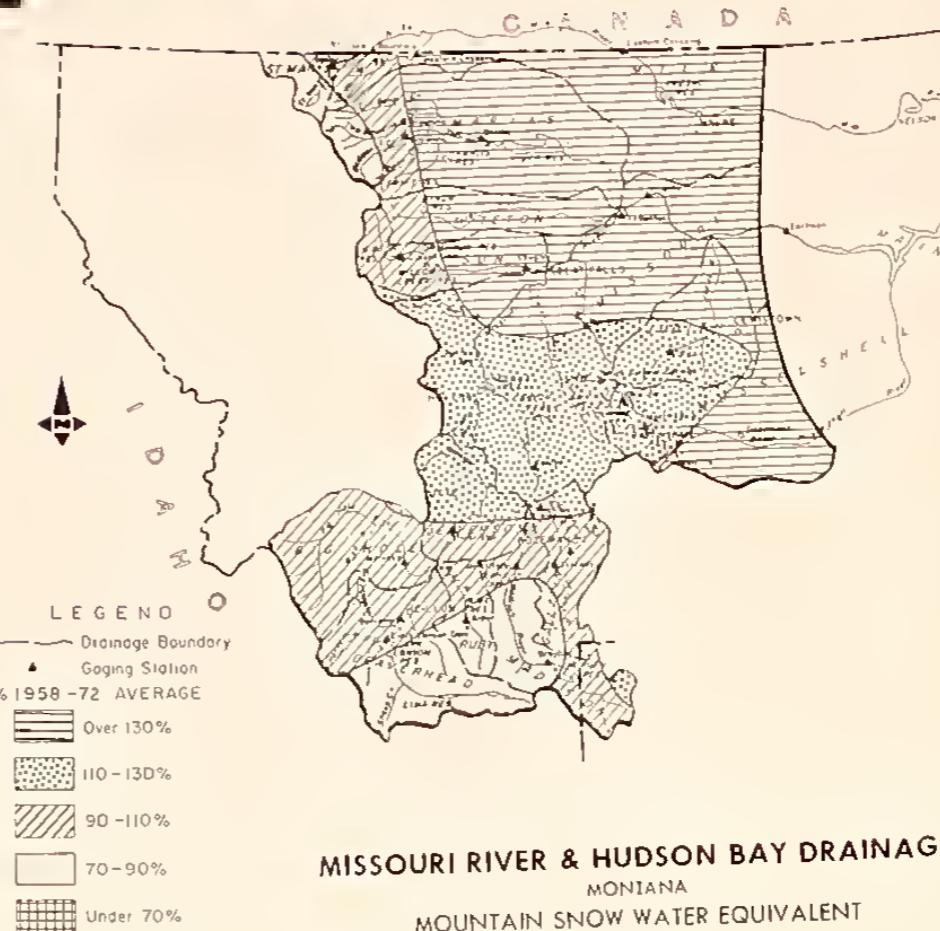


COLUMBIA RIVER DRAINAGE
MONTANA
MOUNTAIN SNOW WATER EQUIVALENT

RESERVOIR STORAGE (Thousand Acre Feet) END OF MONTH December					
Basin or Stream	RESERVOIR	Usable Capacity	Usable Storage	This Year	Last Year
COLUMBIA					
Kootenai	Koocanusa	5,694.0	3,292.0	2,377.0	-
Flathead	Hungry Horse	3,428.0	2,478.0	1,974.0	2,766.0
	Flathead Lake	1,791.0	1,151.0	1,205.0	1,423.0
	Camas (4)	45.2	7.3	3.4	22.1
Clark Fork	Mission Valley (8)	100.3	51.7	35.2	31.4
	Georgetown Lake	31.0	30.7	27.2	27.9
	Lower Willow Creek	4.9	.3	.8	1.1
	Nevada Creek	12.6	2.9	-	4.3
Bitterroot	Noxon Rapids	334.6	282.2	316.5	320.5
	Painted Rocks	31.7	19.8	9.6	23.5
	Como	34.9	-	13.0	8.0
MISSOURI					
Beaverhead	Lima	84.0	31.0	-	31.2
Ruby	Clark Canyon	257.2	307.2	147.4	138.9
Madison	Ruby	38.8	-	-	20.0
Gallatin	Hebgen Lake	337.5	241.4	243.2	201.9
Missouri	Ennis Lake	41.0	33.7	34.9	36.7
	Middle Creek	8.0	-	3.3	3.0
	Canyon Ferry	2,043.0	1,637.0	1,752.0	1,777.0
	Hauser & Helena	61.9	63.9	52.2	59.6
	Lake Helena	10.4	10.9	10.9	9.6
	Holter Lake	81.9	75.7	79.9	71.3
Smith	Fort Peck Lake	18,910.0	17,364.0	14,590.0	13,450.0
	Smith River	10.6	10.5	7.4	5.7
Musselshell	Newlan Creek	12.4	10.2	3.5	-
Sun	Bair	7.0	5.7	3.8	4.0
	Martinsdale	23.1	-	11.9	7.6
	Oeadman's Basin	72.2	-	-	41.2
	Gibson	99.0	71.3	38.9	36.9
	Willow Creek	32.2	25.5	15.7	18.6
	Pishkun	32.0	19.7	19.2	17.7
Marias	Lower Two Medicine	11.9	-	-	-
	Four Horns	19.2	-	-	-
	Swift	30.0	17.7	6.7	14.1
Milk	Lake Frances	111.9	94.5	27.7	78.1
	Elwell (Tiber)	1,347.0	549.6	519.7	579.1
	Beaver Creek	3.5	-	-	-
	Fresno	127.2	77.2	20.4	59.0
	Nelson	66.8	47.5	7.1	44.4
HUDSON BAY					
St. Mary's	Lake Sherburne	66.2	10.9	26.4	16.5
YELLOWSTONE					
Stillwater	Mystic Lake	21.0	19.8	12.2	14.1
Clark's Fork	Cooney	27.4	14.1	10.7	13.4
Tongue	Tongue River	68.0	-	29.1	25.8
Bighorn	Bighorn Lake	1,356.0	933.7	961.9	860.8

Average based on 1958-72 period.

Missouri River & Hudson Bay Drainages



THE SNOWPACK IS VARIABLE. BELOW AVERAGE ACCUMULATION COVERS PARTS OF THE RED ROCK, RUBY, MADISON AND GALLATIN RIVER DRAINAGES IN THE SOUTHWESTERN CORNER OF THE STATE. THE AREA ALONG THE CONTINENTAL DIVIDE IN THE ST. MARY'S AND MARIAS RIVER DRAINAGES ALSO HAVE BELOW AVERAGE SNOWPACK.

MOUNTAIN RANGES IN THE CENTRAL PART OF THE STATE HAVE MORE SNOW THAN USUAL FOR THIS DATE. ALMOST ALL VALLEY AREAS EAST OF THE MOUNTAINS HAVE ABOVE NORMAL SNOW.

IN GENERAL, THE MOUNTAINS DID NOT SHOW ANY SIGNIFICANT SNOW ACCUMULATION UNTIL LATE OCTOBER OR EARLY NOVEMBER. THIS IS ABOUT A MONTH LATER THAN NORMAL. THE VALLEY AREAS HAVE ALSO RECEIVED SIGNIFICANT SNOWFALL.

THERE HAS BEEN LITTLE SNOW. MELT AND WINDS HAVE MOVED THE SNOW CONTINUALLY CAUSING EXTENSIVE PROBLEMS WITH DRIFTING. EXTREME COLD DURING LATE DECEMBER AND EARLY JANUARY HAVE COMPOUNDED THE SNOW PROBLEMS.

MOUNTAIN SNOWPACK

SUMMARY OF SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN	Number of Gaging Stations	THIS YEAR'S SNOW WATER EQUIVALENT	AVERAGE
Beaverhead	5	84	74
Ruby	5	55	103
Big Hole	6	92	137
Boulder	16	72	101
Jefferson	7	68	86
Madison	12	78	103
Gallatin	35	74	98
Missouri Headwater	5	90	138
West-side Missouri	7	85	135
(Teton-Cascade)	3	77	128
Smith & Belt	2	99	164
Marie's Main Stem	3	77	94
Teton & Sun	3	77	94
Marie's-Teton-Sun	2	77	128
Judith	2	77	128
Musselshell	-	-	-
Judith-Musselshell	2	77	128
Milk	3	100	255
Bear Paws	50	77	105
Missouri (TOTAL)	-	-	-
SASKATCHEWAN	1	98	112
St. Mary's Bow River in Alberta	-	-	-

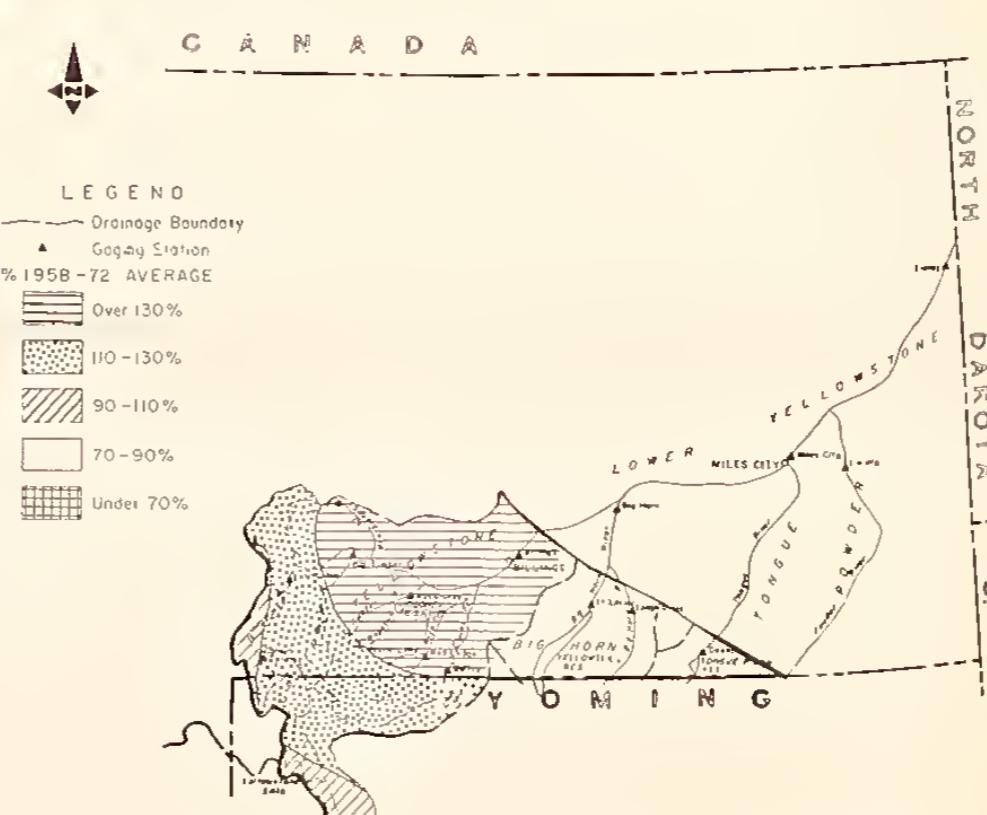
STREAMFLOW FORECASTS

STREAM or AREA	Flow Period	
	Spring Season	late Season
Tobacco	avg	fair
Little Bitterroot	avg	fair
Mission Valley	avg	avg
Flint Creek	ex	avg
Upper Clark Fork	ex	avg
Nevada Creek	ex	avg
Blackfoot	ex	avg
West-side Bitterroot	ex	ex
East-side Bitterroot	ex	avg
Bitterroot River	ex	avg
Lower Clark Fork	ex	avg

MISSOURI RIVER & HUDSON BAY DRAINAGE
MONTANA
MOUNTAIN SNOW WATER EQUIVALENT



Yellowstone River Drainage



ALL AREAS IN THE YELLOWSTONE RIVER HEADWATERS HAVE AVERAGE OR ABOVE AVERAGE SNOWPACK. THE LOWEST AREAS, ON A PERCENTAGE BASIS, ARE THE WESTERN AND SOUTHERN PARTS OF YELLOWSTONE NATIONAL PARK.

THE SNOW COVER INCREASES THROUGH THE ABSAROKA, BEARTooth, AND CRAZY MOUNTAINS. FOOTHILLS AND VALLEY AREAS SHOW WELL ABOVE AVERAGE SNOW FOR THIS TIME OF YEAR. SIGNIFICANT SNOW ACCUMULATION DID NOT START UNTIL LATE OCTOBER OR EARLY NOVEMBER. SINCE THEN VERY LITTLE MELT HAS OCCURRED AND WINDS HAVE CAUSED CONSIDERABLE DRIFTING IN THE FOOTHILL AND VALLEY AREAS. MOST AREAS HAVE ALSO HAD EXTENDED PERIODS OF VERY COLD TEMPERATURES.

MOUNTAIN SNOWPACK

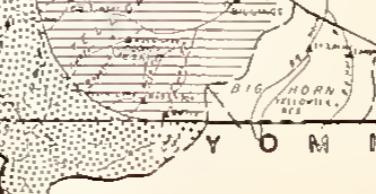
SUMMARY OF SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

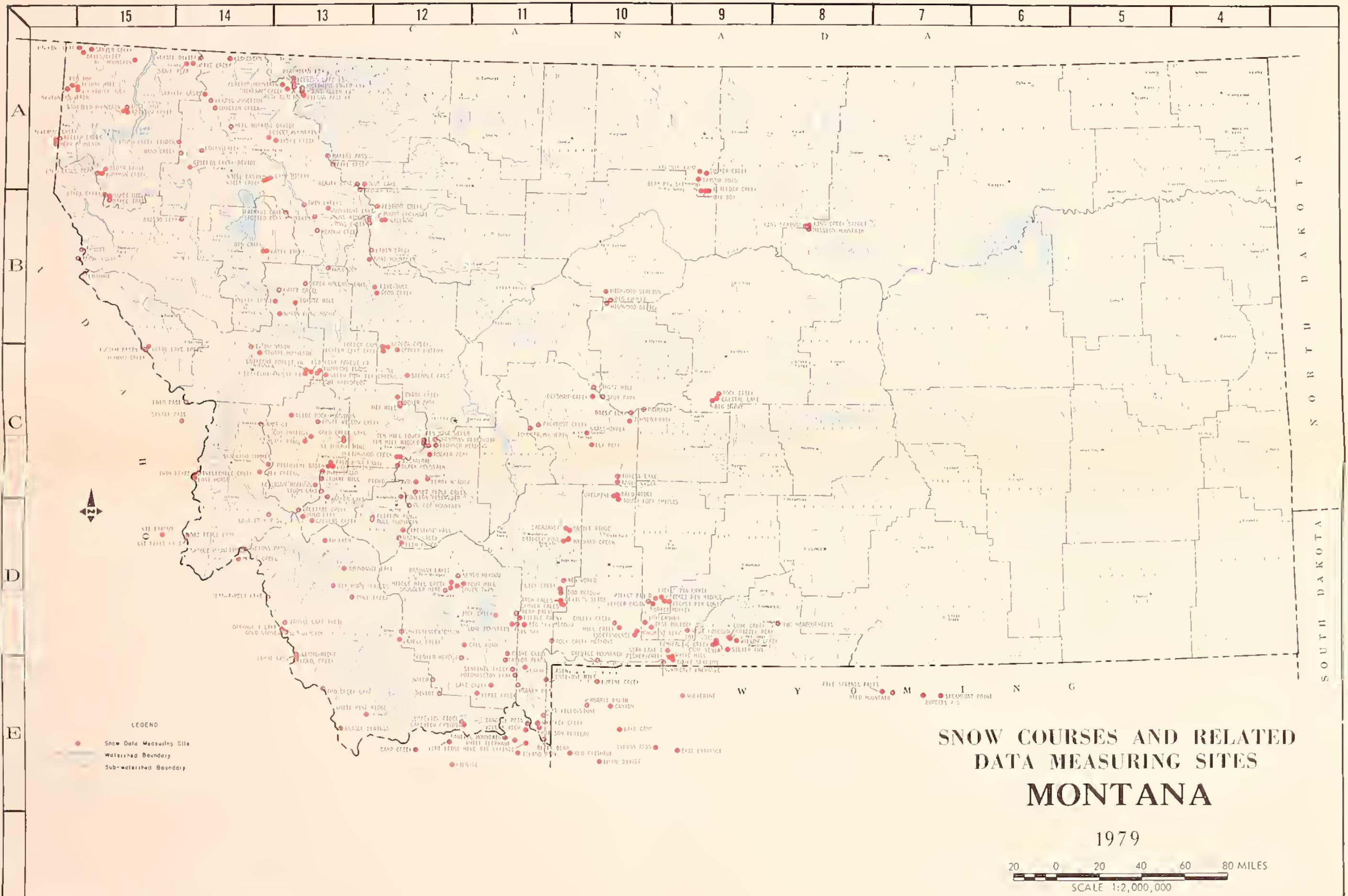
RIVER BASIN	Number of Gaging Stations	THIS YEAR'S SNOW WATER EQUIVALENT	AVERAGE
Upper Yellowstone	7	75	119
ab Livingston	3	92	147
Shields	-	-	-
Boulder and Stillwater	-	-	-
Rock Creek and Clark's Fork	3	92	131
Yellowstone (ab)	13	83	128
Big Horn River	-	-	-
Big Horn/Ryoming	-	-	-
Little Big Horn	-	-	-
Big Horn (Total)	-	-	-
Tongue	-	-	-
Powder	-	-	-
Yellowstone (TOTAL)	13	83	128

STREAMFLOW FORECASTS

STREAM or AREA	Flow Period	
	Spring Season	late Season
Yellowstone at Livingston	avg	avg
Shields	ex	avg
Boulder	ex	avg
Stillwater	ex	avg
Rock Creek	ex	avg
Clark's Fork	ex	avg
Yellowstone above Big Horn	ex	avg
Big Horn	-	-
Little Big Horn	-	-
Tongue	-	-
Powder	-	-
Lower Yellowstone	-	-

YELLOWSTONE RIVER DRAINAGE
MONTANA
MOUNTAIN SNOW WATER EQUIVALENT





Snow Course	Sensors In Addition To Snow Course 1/					Drainage Basin	Snow Course	Sensors In Addition To Snow Course 1/					Drainage Basin	Snow Course	Sensors In Addition To Snow Course 1/				
	Elev.	Sec.	Twp.	Range	Snow Course		Snow Course	Elev.	Sec.	Twp.	Range	Snow Course		Snow Course	Elev.	Sec.	Twp.	Range	Snow Course
Abundance Lake	8800	7	35	11W		Big Hole	Gold Creek Lake	7200	14	8II	12W		Clark Fork	Rock Creek	5600	7	12II	18E	Judith
Ambrose	6400	28	9N	10W		Bitterroot	Gold Stone	8100	11	8S	16W		Braverhead	Rock Creek Headwaters	8160	34	7S	SE	Gallatin
Arch Falls	7350	3	5S	6E		Gallatin	Grasshopper	7000	19	9N	2E		Missouri Main Stem	>Rocker Peak	8000	17	7I	SW	Jefferson
*Badger Pass	6900	4	27II	11W	A,P,S,T	Teton-Marlas-Sun	*Grave Creek	4300	1	36II	25W	S,P,T	Kootenai	Rocky Boy	4700	22	28II	16E	S,P
Bald Eagle Peak	5700	6	27II	31W		Kootenai	Griffin Creek Divide	5150	11	28II	25W		Flathead	St. Mary	6550	36	2II	6E	Milk
Bald Ridge	7500	11	4II	10E		Upper Yellowstone	Grizzly Peak	8400	26	7S	19E		Upper Yellowstone	*Saddle Mountain	7940	5	25	19W	S,P,T
Banfield Mountain	5600	4	32N	30W	S,P,T,W	Kootenai	Gunsight Lake	6300	30	26II	13W		Flathead	Sentinel Creek	8100	17	10S	SE	Madison
Baree Creek	5500	36	26II	31W		Kootenai	*Hand Creek	5035	6	29II	25W	S,P,T	Flathead	Shower Fall	8100	14	5S	SE	Gallatin
Baree Midway	4600	31	26N	30W		Kootenai	Hawkins Lake	6450	18	37N	33W	S,P,T,W	Kootenai	*Silver Run	6630	11	8S	19E	S,P,T
Baree Trail	3800	5	25II	30W		Kootenai	Maymaker	8050	16	11II	12E		Mt. Mitchell	*Skalvaldo Summit	7260	30	6N	17W	P,T
*Barker Lakes	8250	17	4II	12W	S,P,T	Clark Fork	Heart Lake Trail	4800	11	14II	27W		Clark Fork	Ishkylark Trail	6200	29	19N	17W	S,P,T
*Barlin Creek	7180	31	1N	7W	P	Clark Fork	Hebgen Dam	6550	22	11S	3E		Madison	Slog-A-Nelt Lake	8750	29	5S	17W	Flathead
Bassoo Peak	5150	11	24II	25W		Flathead	Hell Roaring Divide	5770	35	32II	23W		Flathead	Silde Rock Mountain	7100	35	10H	16W	Clark Fork
Battle Ridge	6620	32	28	7E		Upper Yellowstone	Herring Junction	4850	19	34II	23W	P	Flathead	Smuggler Mine	6960	24	4S	4W	Ruby
*Beagle Springs	8850	6	16S	11W	S,P,T	Beaverhead	Highwood Divide	5650	16	19II	9E	P	Missouri Main Stem	*South Fork Sheld	8100	13	4H	10E	Upper Yellowstone
Bear Berlin	8150	9	6S	3E		Gallatin	Hightwood Station	4600	20	20II	9E	P	Missouri Main Stem	Spotted Bear Mountain	7000	23	25N	15W	A
Cear Paw Skl Area	5200	21	28N	16E	P	Milk	Holbrook	4530	18	21II	13W	A	Flathead	*Spruce Park	8100	20	12II	9E	Judith
Beaver Lake	5900	31	28N	11W		Flathead	Hood Meadow	6600	22	4S	6E		Gallatin	*Stahl Peak	6030	5	36II	25W	S,P,T
Berry Meadow	7000	8	5N	5W		Jefferson	Hoodoo Basin	6000	17	14II	27W	S,P,T	Clark Fork	Star Lake E	9650	31	8S	15E	A
Big Coulee	5100	10	19N	9E		Missouri Main Stem	Hoodoo Creek	5900	16	14II	27W		Clark Fork	Stemple Pass	6600	16	13II	7W	Missouri Main Stem
Big Creek	6750	7	22II	18W		Flathead	Iceberg Lake #3	5600	1	35II	17W		St. Mary	Storm Lake	7780	19	4N	13W	Clark Fork
Big Sky	7700	30	6S	3E	P	Gallatin	Independence	7850	21	7S	12E		Upper Yellowstone	Stryker Barn	6180	26	34II	24W	P
Big Sky Meadow	6350	35	6S	3E		Gallatin	Intergard	6450	6	5II	13W		Clark Fork	Stuart Hill	6500	19	5N	13W	Clark Fork
Big Snowy	7150	25	12II	17E		Judith	Jack Creek	6650	1	6S	1E		Madison	Stuart Mountain	7400	6	14N	18W	Clark Fork
*Black Bear	7950	27	15S	5E	S,P,T	Judson	Jahne Lake Trail	7200	24	7S	16W		Big Hole	Sucker Creek	3960	11	29II	16E	P
Black Mountain	7750	34	7N	8W		Clark Fork	Johnson Park	6450	16	10II	11E		Mt. Mitchell	Sugarloaf	7350	13	7N	8W	Clark Fork
*Black Pine	7100	26	8N	15W	S,P,T	Clark Fork	Josephine Lower #9	4900	22	35II	16W		St. Mary	Taylor Peak	8500	26	9S	2E	Gallatin
*Bloody Ock	7600	12	8S	16W	S,P,T	Beaverhead	Keeler Creek	3300	25	30N	35W		Kootenai	Taylor Pond	4080	19	29N	16E	Milk
Blue Lake	5900	25	28N	11W	A	Teton-Marlas-Sun	King Creek Saddle	4550	10	25II	24E		Milk	Ten Mile Lower	6600	12	8N	6W	Missouri Main Stem
Bolt Sets	7750	35	7S	18E		Upper Yellowstone	King Springs	4150	9	25II	24E		Milk	Ten Mile Middle	6800	13	8N	6W	Missouri Main Stem
*Boulder Mountain	7950	1	9II	3E	S,P,T	Missouri Main Stem	Kings' Hill	7500	34	13II	8E		Missouri Main Stem	Ten Mile Upper	8000	19	8N	5W	Missouri Main Stem
*Box Canyon	6700	28	6S	12E	S,P,T	Upper Yellowstone	Klymench	3890	14	37II	22W		Flathead	*Tepee Creek	8000	15	12S	1W	Madison
Boxelder Creek	5100	24	28N	16E	P	Milk	Klymeni Camp	3720	9	29II	16E	P,T,W	Milk	Timberline Creek	8850	10	8S	18E	Beaverhead
Branham Lake	8850	5	4S	3W		Ruby	*Kroft Creek	4750	4	19II	17W	S,P,T	Flathead	Trail Creek	7090	15	10S	15W	Foothills
Bran Monkey	9050	6	5S	14E	P,NSC	Upper Yellowstone	Lake Creek	6100	27	11S	1E		Madison	Trinkur Lake	6100	9	25II	17W	Flathead
Bridger Bowl	7250	25	1H	6E	S,P	Gallatin	Lakeview Canyon	6930	26	14S	2W		Beaverhead	TV Mountain	6800	33	15H	19W	Clark Fork
Brisk Creek	3900	2	32H	30W		Kootenai	Lakeview Ridge	7400	27	14S	2W	P,S,T	Beaverhead	*Twelve-mile Creek	5600	34	5N	23W	Bitterroot
Brush Creek Timber	5000	12	30N	26W		Kootenai	Lemhi Pass	7480	9	10S	15W		Beaverhead	Twenty-One Mile	7150	1	11S	5E	Gallatin
Bull Mountain	6600	18	2N	9W		Big Hole	Lemhi Ridge	8100	4	10S	15W	S,P,T	Beaverhead	Twin Creek	3580	25	26N	16W	Flathead
Cabin Creek	5200	34	23H	10W		Teton-Marlas-Sun	Lick Creek	6860	10	4S	6E	S,P,T	Gallatin	Twin Lakes	6510	32	50	23W	S,P,T
Call Road	8050	21	8S	2W		Madison	Little Park	7400	22	6S	3E		Gallatin	Upper Holland Lake	6200	28	20II	15W	Flathead
*Calvert Creek	6430	34	21II	14W	S,P,T	Big Hole	Logan Creek	4300	34	30II	24W		Flathead	*Holdren	5600	17	25N	9W	Teton-Marlas-Sun
Camp Mistry	6400	30	28II	18W		Flathead	Lone Mountain	8880	25	6S	2E		Gallatin	Warm Springs	7800	13	6II	13W	S,P,T
Camp Seala	7890	2	8S	18E		Upper Yellowstone	Lori Horse	5940	5	4II	23H		Flathead	Weasel Divide	5450	20	37H	24W	Kootenai
Carrol Berlin	9000	18	10S	4E	S	Gallatin	Lost Soul	4800											

SNOW SURVEY DATA

SNOW

DRAINAGE BASIN and/or SNOW COURSE	NAME	Elevation	THIS YEAR			PAST RECORD	
			Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Past Cont. (Inches)	Last Year
ARCH FALLS		7350	12/26	24	5.4	6.5	5.5
BAOGER PASS		6900	12/31	73	19.5A	27.0	21.2
BANFIELD MOUNTAIN PILLOW		5600	1/01	SP	6.6	10.7	9.6
BASIM CREEK		7180	12/27	20	3.2	2.9	-
BATTLE RIDGE		6020	12/29	26	7.5	7.3	3.0
BEAR PAW SK1 AREA		5200	12/27	31	7.0	6.0	2.6
BIG COULEE		5100	12/21	19	4.1	3.7	-
BIG SKY		7700	12/28	22	5.0	7.4	7.2
BLACK BEAR		7950	12/28	60	14.4	21.4	-
BLACK BEAR PILLOW		7590	12/28	SP	13.7	21.5	-
BLACK PINE		7100	12/29	26	6.2	9.7	3.4
BLACK PINE PILLOW		7100	12/29	SP	6.4	9.5	5.4
BLUE LAKE		5900	12/31	42	10.0A	13.5	11.8
BRIDGER BOWL		7250	12/29	48	14.6	17.5	12.0
BRIDGER BOWL PILLOW		7250	12/29	SP	12.6	17.0	13.2
BULL MOUNTAIN		6600	1/03	23	4.8	4.2	-
CARROT BASIN		9000	12/27	47	11.6	18.0	17.0
CHESSMAN RESERVOIR		6200	12/30	22	4.4	3.0	1.3
COLE CREEK		7850	1/02	44	12.8	5.1	-
COLE CREEK PILLOW		7850	1/02	SP	10.6	5.1	-
COMBINATION		5600	1/02	18	3.5	3.0	2.6
COMBINATION PILLOW		5600	1/02	SP	3.4	3.0	-
COOKE STATION		8150	12/28	42	11.4	15.8	-
COYOTE HILL		4200	1/02	27	5.9	8.4	4.5
DAISY PEAK		7600	1/02	30	7.3	-	-
DALY CREEK		5780	12/27	26	6.5	6.8	-
DEADMAN CREEK		6450	12/27	29	6.6	8.2	4.3
DEADMAN CREEK PILLOW		6450	12/27	SP	6.3	8.4	4.8
DESERT MOUNTAIN		5600	12/26	27	6.0	8.1	7.3
DEVILS SLIDE		8100	12/26	37	9.4	12.5	10.1
DISCOVERY BASIN		7050	1/02	24	4.8	5.6	-
DIX HILL		6400	12/31	27	6.5	7.9	-
EMERY CREEK		4350	12/26	30	6.6	9.0	-
EMERY CREEK PILLOW		4350	12/26	SP	6.0	8.9	-
FISH CREEK		8000	12/27	18	3.0	3.4	-
FISHER CREEK		9100	12/28	65	17.5	25.2	14.4
FISHER CREEK PILLOW		9100	12/28	SP	16.1	23.7	14.8
FLEECER RIDGE		7500	1/02	26	5.3	8.8	-
FOURTH OF JULY		3450	1/02	21	4.7	-	-
FREO BURR PASS		8000	12/28	43	10.1	-	-
FRIDAY HILL		4620	1/02	22	6.6	-	-
FROHNER MEADOWS		6480	1/02	27	6.8	6.2	-
FROHNER MEADOWS PILLOW		6480	1/02	SP	5.1	5.8	-
GARVER CREEK PILLOW		4250	1/01	SP	4.0	7.1	4.8
GIBBONS PASS		7100	12/28	37	8.9	17.0	9.5
GRAVE CREEK		4300	12/26	31	7.0	12.0	-
GRAVE CREEK PILLOW		4300	12/26	SP	6.5	11.8	-
GRIZZLY PEAK		8400	1/02	43	12.2	5.4	6.7
HEART LAKE TRAIL		4800	12/28	49	12.2	-	8.7
HEBBEN DAM		6550	12/30	18	3.6	8.4	4.6
HELL ROARING DIVIDE		5770	12/29	45	11.0	17.2	14.1
HIGHWOOD DIVIDE		5650	12/21	21	4.2	6.5	-
HIGHWOOD STATION		4600	12/21	18	3.5	3.1	-
HOLBROOK		4530	12/31	29	15.5A	7.5	4.3
HOOD MEADOW		6600	12/26	24	5.2	4.8	4.5
HOODOO BASIN		6000	12/28	74	20.2	-	20.8
HOODOO BASIN PILLOW		6000	12/27	SP	18.2	26.4	19.1
HOODOO CREEK		5900	12/28	69	17.9	-	16.9
JOHNSON PARK		6450	1/02	21	4.8	-	-
KING CREEK SADDLE		4550	12/21	15	3.7	6.8	-
KING SPRINGS		4150	12/21	14	3.3	6.8	-
KINGS HILL		7500	12/27	31	7.4	8.8	-
KIWANIS CAMP		3720	12/27	19	3.4	3.2	-
LAKE CREEK		6100	12/29	18	4.0	3.6	-
LAKEVIEW CANYON		6930	12/29	20	3.8	2.7	5.4
LAKEVIEW RIDGE		7400	12/29	19	3.6	2.8	5.0
LICK CREEK		6860	12/26	26	5.4	4.8	3.9
LICK CREEK PILLOW		6860	12/26	SP	4.4	3.6	4.0
LONE MOUNTAIN		8800	12/28	33	8.6	14.0	9.8
LOST HORSE		5940	1/04	56	16.5	22.8	12.0
LUBRECHT FLUME		4200	1/02	22	5.0	4.7	3.1
LUBRECHT FLUME PILLOW		5450	1/02	SP	4.3	-	2.5
LUBRECHT FOREST # 3		5450	1/02	22	5.0	5.0	3.2
LUBRECHT FOREST # 4		4650	1/02	16	3.0	2.7	1.8
LUBRECHT FOREST # 6		4040	12/26	16	3.1	3.5	1.8
LUBRECHT HYDROPILOT		4200	1/02	19	4.0	4.2	2.7
MARIAS PASS		5250	1/02	32	8.6	8.8	7.7
MAYNARD CREEK		6210	12/29	39	10.9	11.0	7.4
MAYNARD CREEK PILLOW		6210	12/29	SP	7.7	6.7	5.4
MISSION MOUNTAIN		5050	12/21	17	4.3	6.8	-
MOULION RESERVOIR		6850	1/02	20	4.4	2.6	-

Average based on 1958-72 period. A - Aerial observation; water content estimated.
SP - Snow Pillow observation; water content only.

SNOW

DRAINAGE BASIN and/or SNOW COURSE	NAME	Elevation	THIS YEAR			PAST RECORD	
			Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Past Cont. (Inches)	Last Year
NEWTON MOUNTAIN		5600	1/02	32	8.9	-	-
NOISY BASIN		6040	12/26	55	15.2	22.4	-
NOISY BASIN PILLOW		6040	12/26	SP	13.0	24.0	-
NORTH FK. ELK CREEK		6250	1/02	29	7.5	8.2	5.6
NORTH FK. ELK CREEK PILL		6250	1/02	SP	6.8	8.1	4.7
NORTH FORK JOCKO		6330	12/28	68	17.7	-	-
NORTHEAST ENTRANCE		7400	1/01	24	5.3	7.6	3.6
NORTHEAST ENTRANCE PILL.		7400	1/01	SP	4.7	-	4.0
OPHIR PARK		7150	12/31	36	10.1	12.1	-
PETERSON MEADOWS		7200	12/27	21	4.3	6.4	3.8
PETERSON MEADOWS PILLLOW		7200	12/27	SP	3.7	-	-
PIPESTONE PASS		7200	1/02	16	2.9	2.4	2.3
POORMAN CREEK PILLOW		5100	1/01	SP	12.7	18.5	12.1
REO TOP		5260	1/02	26	6.8	-	-
ROCKER PEAK		8000	12/28	33	7.8	9.9	6.8
ROCKER PEAK PILLOW		8000	12/28	SP	7.6	9.9	7.2
ROCKY BOY		4700	12/27	23	4.2	5.2	1.8
ROCKY BOY PILLOW		4700					